

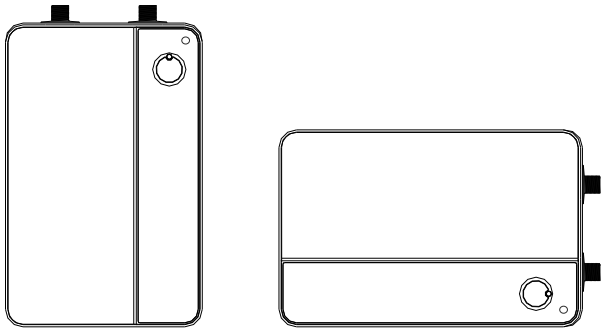
9. Trouble Shooting Guide

Symptom	Cause	Solution
Indicator light does not light up	1. The power supply is not connected 2. The indicator light is damaged or has failed 3. The temperature cut out device has operated and requires re-setting	Have a suitably qualified electrician check all electrical wiring and the indicator lamp
Water temperature fails to meet temperature setting	1. The heating element is defective 2. The temperature controller has mal-functioned. 3. There is no power supply to the heater	1. Replace the heating element 2. Contact a suitably qualified professional to arrange repair 3. Check the power supply
No water flow from the warm/hot tap	1. Main water supply is turned off	1. Ensure the water supply is turned on
Water leakage	1. Leaking from plumbing connection 2. Leaking at the sealing gasket of the heating element	1. Tighten the appropriate plumbing connection 2. Tighten the element or replace the sealing gasket
Electrical mains supply tripped	1. Heating element has short circuited	1. Replace the heating element of the heater

For repair and warranty processing, the following documents must be included when sending the appliance:

- a copy of the receipt showing the date of purchase;

DC 6L Water Heaters



1. Product Features

Intelligent

The unit has an advanced thermostat. This thermostat allows the water temperature to be set between 30°C and 65°C. It will sustain the set temperature when in operation.

Durable and Elegant

The exterior is made of high quality plastics, and the unit is both durable and elegant. The inside tank is made of SUS304.

Environment Friendly and Efficient

The EPS insulation provides excellent heat preservation, saving electricity by maintaining the temperature.

Multi-Functional Protection

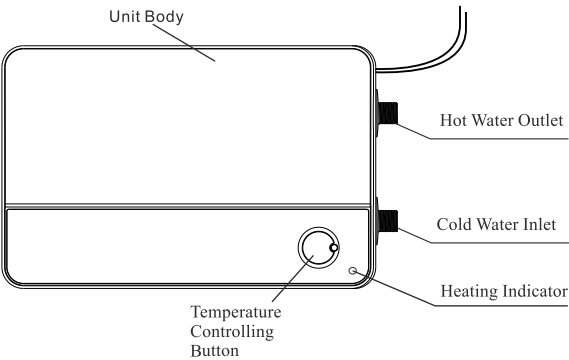
Over-temperature, run dry and over pressure protections all work in sync to make this a reliable and safe water heating option.

MODEL: DSZF-18-6

DC12V Electric Storage Water Heater

2. Contents and Data

No.	Item	Quantity
1	Hot water heater	1
2	Drainage pipe	1
3	Pressure relief valve	1
4	Owner's manual	1



6. Methods of Usage

- Plug in the water heater after making sure it is filled with water.
- Turn the thermostat to the desired temperature and switch the heater on. Indicator lights indicate the heater is functioning.
- Water temperature is adjustable from 30°C to 65°C.
- This water heater are auto thermostatic. It automatically cycle on and off when the water temperature reach the set temperature.

Over Temperature Protection: This protects the water heater from overheating. It disconnects a heating element from the network when the temperature is beyond the thermal cutout limited temperature.

Over Pressure Protection: When the internal pressure is higher than the rated tank pressure, the safety valve will automatically release pressure. It is normal that water flow down from the pressure relief outlet.

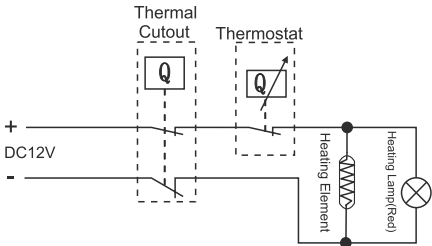
7. Guarantee

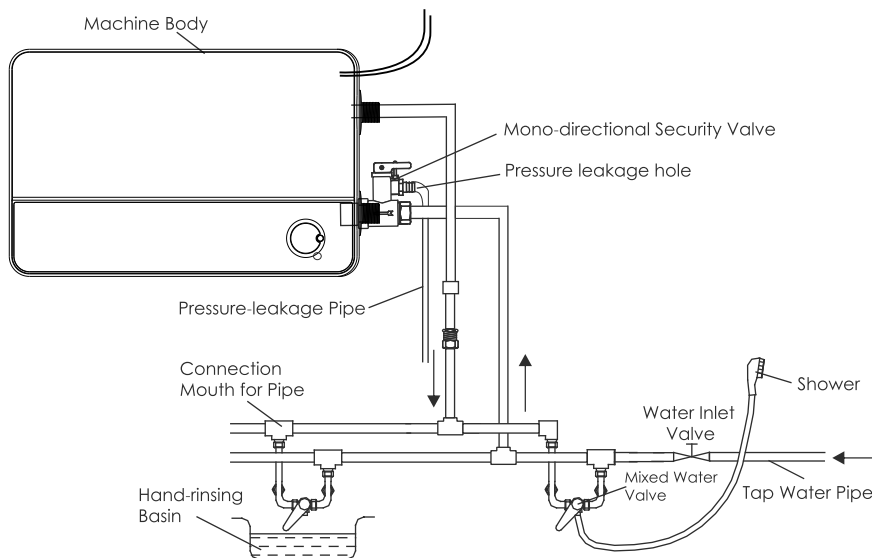
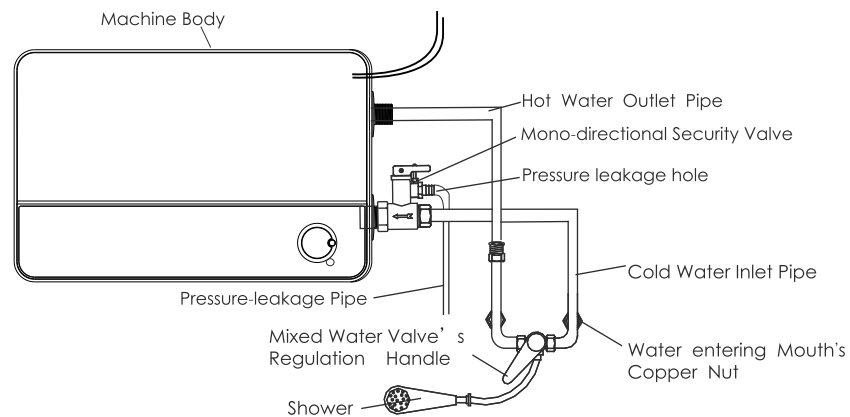
The guarantee of this water heater is 12 months.
Supply of spare parts is carried out free of charge within the warranty period.

Note: Infringement of the instruction manual procedures will invalidate the warranty period and any complaints will not be accepted.

8. Circuit Diagram

Only install your appliance in accordance with any state or territory regulations with a qualified installer.





Power Connection

Before introducing any power to the water heater make sure the water heater is filled with water.

The appliance installations should be only carried out by a qualified technician.

1. Connect the red wire directly to house battery positive terminal or another 12 Volt suitable power source, depending on the length of your wiring you may need to step up the cabling, we recommend a 50-amp fuse.
2. Connect the black wire to house battery negative terminal or another 12 Volt suitable power source, depending on the length of your wiring you may need to step up the cabling, we recommend a 50-amp fuse.

Important: To avoid draining the engine battery, It's strongly suggested to install a switch in this 12V circuit.

3. List of Technical Parameters

Model Number	DSZF-A18-6
Rated Volume	6L
Rated Water Temp.	30°C to 65°C
Rated Voltage	DC12V
Rated Power	200W
Rated Current	16A
Rated Tank Pressure	0.7Mpa
Weight	3.9kg
Dimensions	347X254X225mm
Installation	Vertical / Horizontal

4. Safety Cautions

The location of this water heater is installed in should be able to support four times the weight of the water system when it is full of water (Approx. 30 kg).

The water heater must be filled with water before being given power during the first use. The water heater is not allowed to heat without water (run dry).

Don't handle the plug with a wet hand.

Don't operate this device if the cord, feed or plug is damaged in any fashion.

Don't replace the safety valve with any unauthorized products.

5. Installation

Installation is the responsibility of the buyer and the manufacturer does not bear the responsibility for any damages caused by incorrect installation, damage due to poor quality plumbing and parts, non-standard water or not following these instructions.

Mounting the Heater

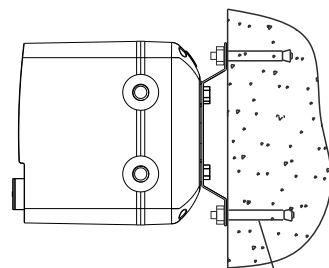
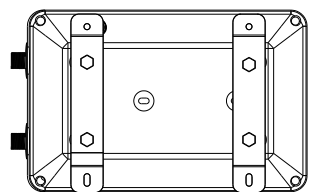
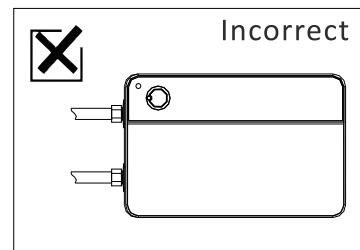
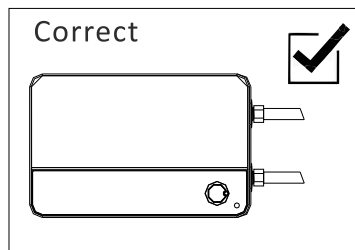
- Using proper screws, fix the brackets of the unit to the wall (you may have to predrill holes)

It is recommended that the water heater be as close as possible to the place of use to reduce loss of heat in piping.

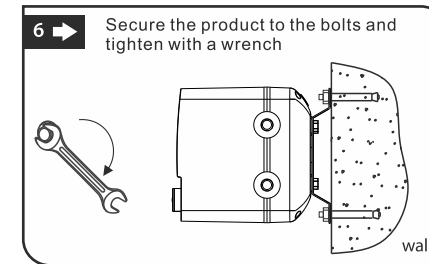
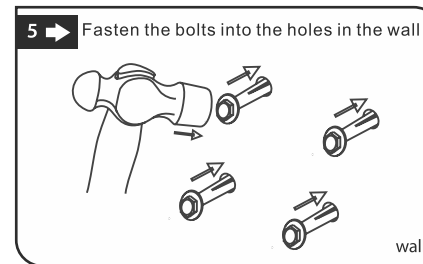
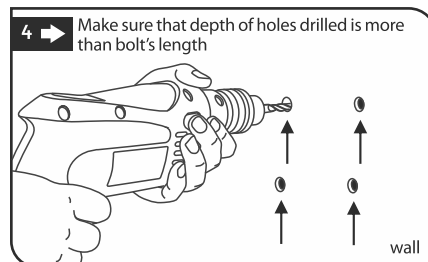
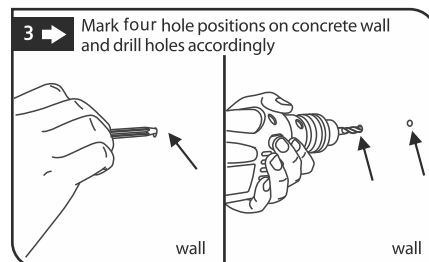
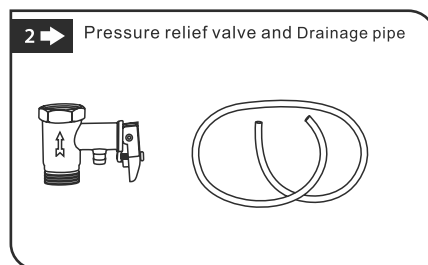
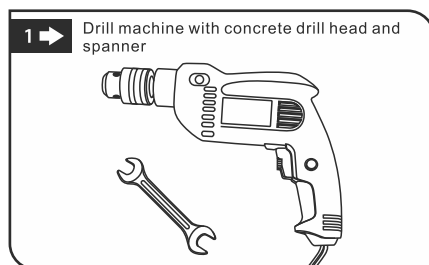
Warning: The wall must be strong enough to support four times the weight of the heater filled with water (Approx. 30kg). The unit should be mounted to a load bearing fixture.

1. Horizontal mounting on the wall

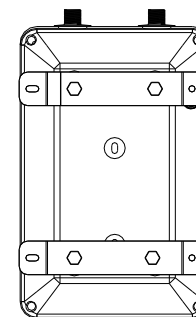
⚠ CAUTION



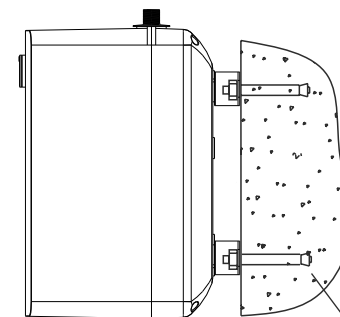
Firm Cement Wall



2. Vertical mounting on the wall



Steps similar to Horizontal mounting



Firm Cement Wall

Pipe Connection

- Screw the pressure relief safety valve onto the cold water inlet. It is recommended that you use a liquid thread sealer to ensure a non-leaking fitting.
- We recommend adding a one-way valve to the cold water inlet to avoid water feeding back to the main water supply pipeline.

Notices:

- No responsibility is taken by the manufacturer for damage caused to the unit when not using the supplied pressure relief valve.
- **If the water pressure exceeds 0.7 MPa or water flows constantly from the pressure relief valve hose, a pressure reducing valve must be used on the cold water inlet.**
- We recommend adding a thermostatic valve or mixer valve to avoid the chance of the outlet water temperature being too high.